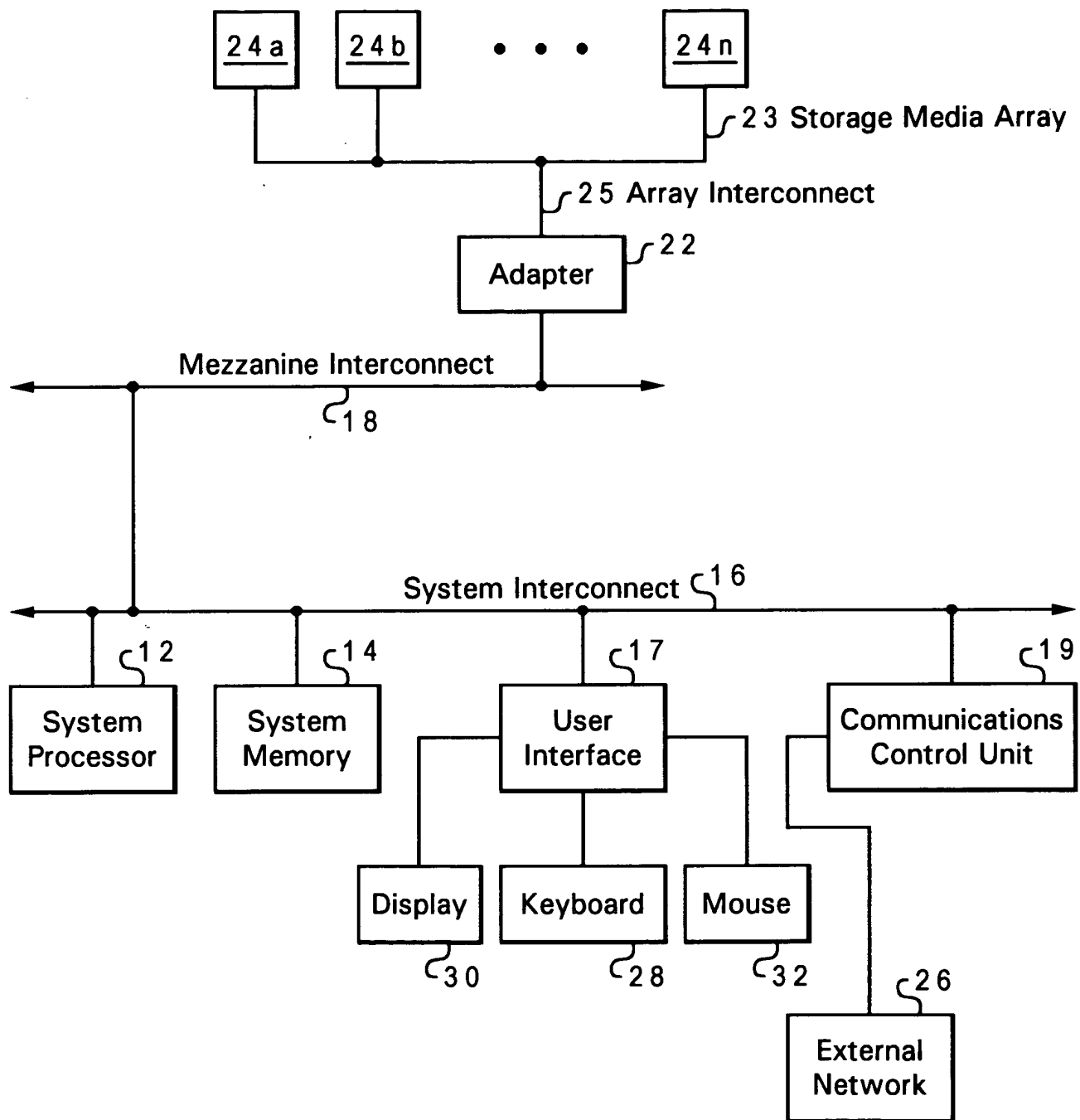


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Data Processing System

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Fig. 1

RAID Adapter Block Diagram

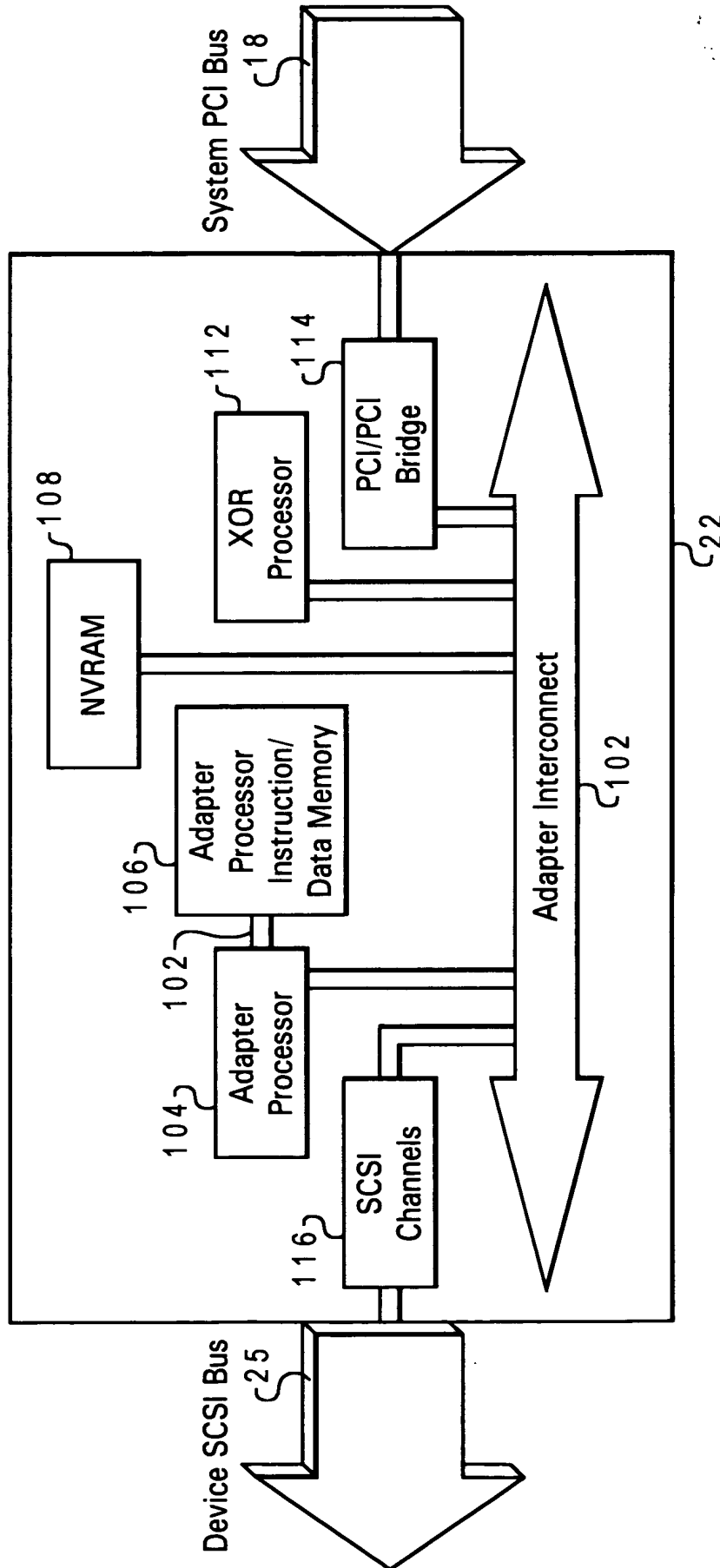
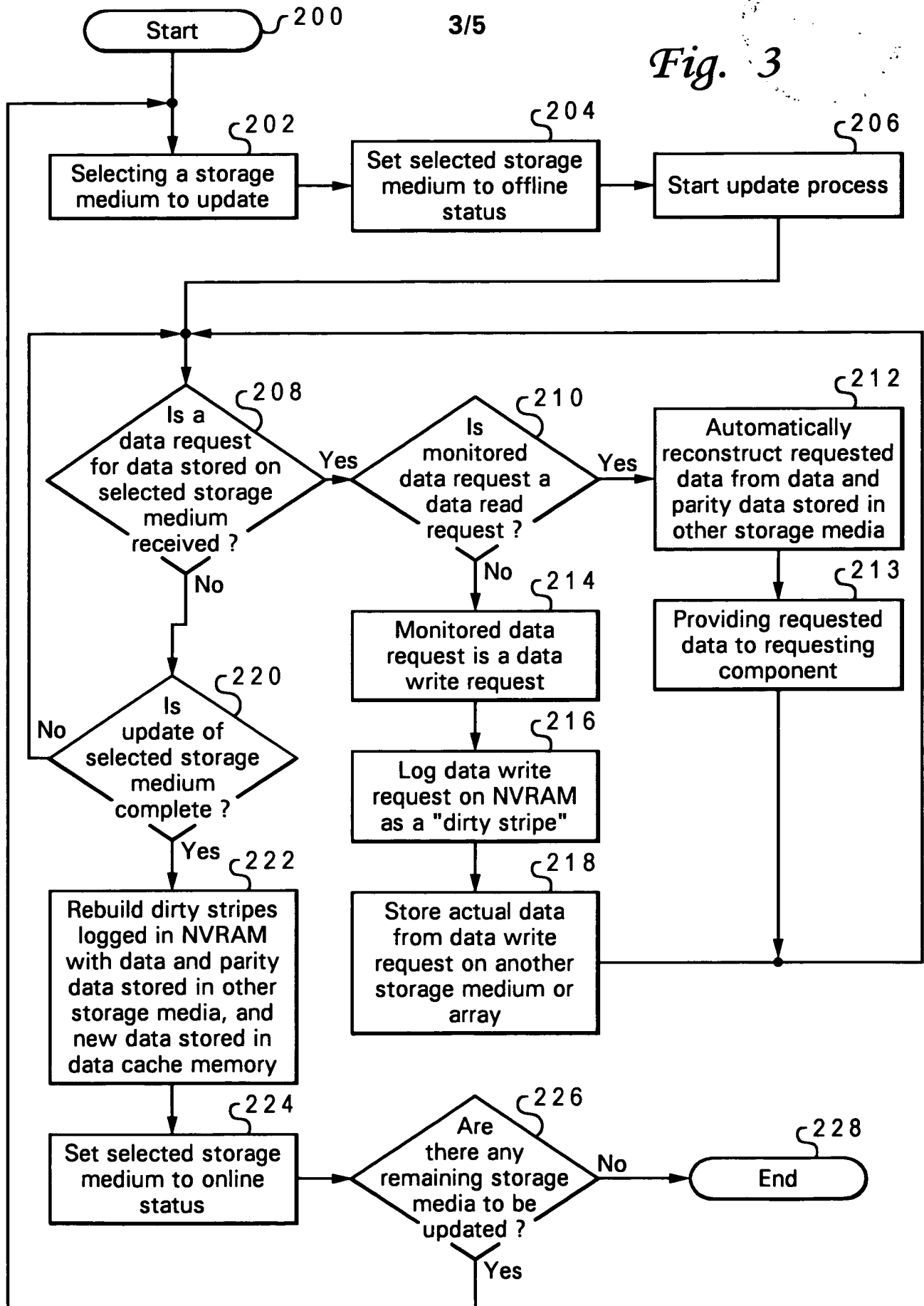


Fig. 2

System and Method for Servicing Requests to a Storage Array

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Fig. 3



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(Updating)

STRIPE NUMBER	STORAGE MEDIUM 1	STORAGE MEDIUM 2	STORAGE MEDIUM 3
1	D0	D1	P1
2	D2	P2	D3
3	P3	D4	D5
• • •	• • •	• • •	• • •
N	DN	PN	DN + 1

Fig. 4A

(Updating)

STRIPE NUMBER	STORAGE MEDIUM 1	STORAGE MEDIUM 2	STORAGE MEDIUM 3	SPARE STORAGE MEDIUM 4
1	D0	D1	P1	D1'
2	D2	P2	D3	
3	P3	D4	D5	
• • •	• • •	• • •	• • •	• • •
N	DN	PN	DN + 1	

Fig. 4B

Fig. 5

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